

Safety Data Sheet**Penetr-Oil**

SDS Revision Date:

03/24/2017

1. Identification**1.1. Product identifier****Product Identity**

Penetr-Oil

Alternate Names

NA

Generic Class: Corrosion inhibiting oil

1.2. Relevant identified uses of the substance or mixture and uses advised against**Intended use**

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet**Company Name**

SWT Group

1591 Kildare Road

Windsor, ON, N8W 2W2

Canada

Emergency**24 hour Emergency Telephone No.**

(519) 967-0020

Customer Service: SWT Group

(519) 967-0020

2. Hazard(s) identification**2.1. Classification of the substance or mixture**

Asp. Hazard 1;H304

May be fatal if swallowed and enters airways

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

**Danger**

H304 May be fatal if swallowed and enters airways.

[Prevention]:

No GHS prevention statements

[Response]:

P301+310 If Swallowed: Immediately call a poison center or doctor.

P331 Do NOT induce vomiting.

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[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Petroleum Distillates, Solvent – refined light paraffinic CAS Number: 00064742-89-5	30-40	Not Classified	NA
Petroleum distillates, Hydrotreated Heavy Paraffinic CAS Number: 00064742-54-7	55-65	Not Classified	NA

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Move the victim to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. Seek immediate medical attention.

Eyes

Irrigate copiously with clean lukewarm water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin

Wash the skin with plenty of warm water and mild non-abrasive soap for at least 15 minutes. Do not use cold water. Remove contaminated clothes, wash clothing before reuse. If the irritation persists repeat the washing procedure. Seek medical attention.

Ingestion

Do not induce vomiting! Keep the victim warm and quiet. Seek immediate medical attention. Should vomiting occur, lean the victim over to reduce the risk of aspiration.

4.2. Most important symptoms and effects, both acute and delayed

Overview

EFFECTS OF OVER EXPOSURE

INHALATION: Excessive exposure to vapors may be irritating to the nose, throat, upper respiratory tract and lungs. Excessive exposure can result in headaches, dizziness, nausea, and narcotic effects; it can be defined as inadequate ventilation for extended periods of time.

EYE CONTACT: Splash of the liquid or concentrated vapors may cause severe eye irritation. Severe injuries may result of repeated or prolonged contact. Injuries to the eye may be permanent if not treated immediately.

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SKIN CONTACT: May be irritating to the skin, causing defatting, redness, cracking and dryness. Toxic amounts of product may be absorbed through the skin.

INGESTION: If swallowed, this product may cause vomiting, nausea and diarrhea and may be harmful if swallowed in very large amounts.

CHRONIC EXPOSURE EFFECTS: Prolonged skin contact may cause dermatitis.

See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; dry chemical foam, CO₂, dry powder, water spray.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of carbon

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus and complete protective clothing (overalls, boots, goggles, etc.) and safety equipment. Evacuate area and fight fire from a safe distance.

Avoid solid water stream as it may scatter and spread fire.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon and other toxic gases.

EXPLOSION DATA:

- SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive

- SENSITIVITY TO STATIC CHARGE: Sensitive

ERG Guide No. 171

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Remove any sources of ignition and avoid prolonged breathing of vapor when performing any clean up of spills. Ventilate the area.

Absorb the spill by using an inert material (sand, earth, vermiculate, etc.). Cover powder spill with plastic sheet or tarp to minimize spreading. Transfer the absorbed material into a waste container.

Prevent the product from entering water systems or sewers. Wear a NIOSH/OSHA approved organic vapor canister

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respirator. Wear protective clothing such as safety eyewear, overalls, impervious boots, and chemical resistant gloves.

7. Handling and storage

7.1. Precautions for safe handling

Always ground containers when transferring or mixing. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking.

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Can react violently with strong oxidizing agents, alkalis and acids.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0064742-89-5	Petroleum Distillates, Solvent – refined light paraffinic	OSHA	TWA (5 mg/m3) [skin]
		ACGIH	TWA: (5 mg/m3)[inhalable fraction]
		NIOSH	TWA (5 mg/m3) [skin]
		Supplier	No Established Limit
0064742-54-7	Petroleum Distillates, Hydrotreated Heavy Paraffinic	OSHA	TWA (5 mg/m3) [skin]
		ACGIH	TWA: (5 mg/m3)[inhalable fraction]
		NIOSH	TWA (5 mg/m3) [skin]
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0064742-89-5	Petroleum Distillates, Solvent – refined light paraffinic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-54-7	Petroleum Distillates, Hydrotreated Heavy Paraffinic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

No special requirements under ordinary conditions of use and with adequate ventilation.

Eyes

Protective safety glasses recommended

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Skin	Skin contact should be minimized through the use of chemical-resistant gloves and boots, and suitable protective clothing.
Engineering Controls	Material should be handled in enclosed vessels and equipment only if aerosolized and/or misted. Use only in adequate ventilation if this occurs. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and chemical properties

Appearance	Amber liquid
Odor	Petroleum odor
Odor threshold	Not determined
pH	Not Applicable
Freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	335°F /168°C
Evaporation rate (Ether = 1)	Not Available
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Available
Vapor Density	Not Available
Relative Density	7.2 lbs/gal typical
Solubility in Water	Not Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	Not Measured
Percent Solids (by weight)	Not Applicable
Percent Volatile (by weight)	Not Measured
Percent Solids (by volume)	Not Applicable

9.2. Other information

No other relevant information.

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10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

High temperatures, flames, sparks.

10.5. Incompatible materials

Can react violently with strong oxidizing agents, alkalies and acids.

10.6. Hazardous decomposition products

Products of incomplete combustion.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Petroleum Distillates, Solvent- refined light paraffinic (64742-89-5)	>5000, Rat - Category: NA	>5000, Guinea Pig - Category: NA	22, Rat Category: NA	No data available	No data available
Petroleum Distillates, Hydrotreated Heavy Paraffinic (64742-54-7)	>5000, Rat - Category: NA	>5000, Guinea Pig - Category: NA	22, Rat Category: NA	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable

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Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	1	May be fatal if swallowed and enters airways

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Petroleum Distillates, Solvent- refined light paraffinic (64742-89-5)	>1000, Fish (Oncorhynchus mykiss)	Not Available	Not Available
Petroleum Distillates, Hydrotreated Heavy Paraffinic (64742-54-7)	>1000, Fish (Oncorhynchus mykiss)	Not Available	Not Available

12.2. Persistence and degradability

Inherently biodegradable.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

DOT (Domestic Surface
Transportation)

IMO / IMDG (Ocean
Transportation)

ICAO/IATA

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14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Regulated	IMDG: Not Regulated Sub Class: Not Regulated	Air Class: Not Regulated
14.4. Packing group	Not Regulated	Not Regulated	Not Regulated
14.5. Environmental hazards			
IMDG	No further information		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	Not Regulated
US EPA Tier II Hazards	

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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